

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: July 6, 2005

Inspector: Diana Walden

Location: Norwalk Substation Expansion

Storm/

Rain Event: The area received 0.98" of rain over 6/30-7/1 and 0.29" on the day of inspection. This total is likely higher in our location based on direct observation.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> - The area surrounding the inlet near the Route 7 ramp has been placed with stone to cover the roots of the exposed planting and to repair the erosion issues here. Some washouts have occurred since the stone was placed. 7/6/05 - Final stabilization or vegetative cover will be needed in the area adjacent to the completed sidewalk. 7/6/05 	<ul style="list-style-type: none"> -The area should continue to be monitored. The roots have started to become exposed again- the planting may not be in a good location. 7/6/05 - The sidewalk is completed and some adjacent bare soil areas remain. The soil should be hydroseeded if activities are complete. 6/29-7/6/05
Foundation construction	<ul style="list-style-type: none"> - Soil from the stockpile continue to be used around the GIS building, including some small excavation and backfill areas near the back of the building. 6/22-7/6/05 -Masonry work on the structures in front of the GIS building as well as work within the foundation area is ongoing. The area behind the GIS building is also being excavated and filled 6/15-7/6/05 -Structures are being removed from the active, live yard in 	<ul style="list-style-type: none"> - None at this time. 7/6/05 - All excavation and backfill work is well within the yard and areas are contained, no issues at this time. 7/6/05

Areas of Inspection	Observation	Recommended Action
	order to create a new access drive. 7/6/05	
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	-The overflow channel was dry at the time of inspection. Although there is good grass growth along the top of the channel, the slopes are still fairly sparse. 6/09-7/6/05.	- Continue to monitor for overall stabilization. Additional seeding should be considered in the areas where bare soil is still visible. 6/09-7/6/05
	- The area surrounding the flared inlet near the Rt 7 ramp has been placed with stone to prevent erosion from the large amounts of stormwater from the ramp as well as portions of the perimeter of the site. 7/6/05 - The exposed root ball of the planting was covered but washouts are already occurring as a result of the rain. 7/6/05	- Continue to monitor the area to determine if the new efforts have stabilized the inlet . 7/6/05
	- The soil stockpile remaining on site are being used as backfill adjacent to the GIS building and the topsoil is also available for future use. 6/01-7/6/05	- All stockpiles and excavation areas are well within the site and there are no issues at this time. 6/29/05
	- Some sedimentation was noted at the base of the access road and it had piled up at the edge of the bike path. 7/6/05	- A stone berm at the base of the perimeter fence would prevent this sediment from reaching the bike path or overflow channel. 7/6/05
	- Silt fence has been removed	-None at this time. Continue to

Areas of Inspection	Observation	Recommended Action
Inland Wetland and Watercourse encroachment and mitigation	from most areas along the wetland/river side of the channel as the area is stabilized. 12/16/04	monitor.
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-The tree plantings appear to be doing well. The channel is dry at this time but wetland vegetation was observed growing in the bottom. Some bare areas of soil along the slopes may need reseeding. 6/15-7/6/05	- A survey could be performed to see whether any of the plantings did not survive the winter for replacement purposes but this does not seem to be a problem. 7/6/05
Dewatering	- No dewatering was noted at this time however. 7/6/05	-None at this time. 7/6/05
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills and Material Storage	<p>- The affected soil from last week was picked up prior to the end of last week's inspection. 7/6/05.</p> <p>- The same compressor trailer that had a leak several weeks ago had another issue from a different location. Some material was placed on the ground to catch the drip but the affected soil is to be picked up. 7/6/05</p> <p>- A small bucket of a coating agent was left with the lid off out in the yard. The bucket was to be covered back up. Materials should not be left out and open during inactive hours. 7/6/05</p>	<p>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area.</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. -</p> <p>- Check equipment status on a regular basis.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
Additional Observations	- All areas within the adjacent ROW have been backfilled and restored following the	- The knotweed was present in the ROW prior to the work and will likely re-establish in

Areas of Inspection	Observation	Recommended Action
	115kV work. The invasive species Japanese Knotweed is well established in the surrounding area 6/29/05	the disturbed area. 6/29/05

Next likely scheduled inspection:

Thursday, July 14, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden

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Date: July 6, 2005

Inspector: Diana Walden

Location: Plumtree Substation Expansion , Bethel

Storm/

Rain Event The area received 0.98" of rain over 6/30-7/1 and 0.29" on the day of inspection. This total is likely higher in our location based on direct observation.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 7/6/05	- None at this time.
Foundation construction	-The remaining work is mostly electrical, connecting and circuiting the new equipment	- The areas are all contained at this time and there is little ongoing work that involves

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	and within the control house. 6/15-7/6/05 -No soil movement is involved and the concrete trench lids have all been closed. Work is internal to the control house as well. 7/6/05	soil disturbance. 4/6-7/6/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The working areas of the site are slightly muddy following recent rain. The perimeter stone berm continues to work well as some water has pooled within the yard. 7/6/05	-Nothing at this time. 7/6/05
	- There is no silt fence in place at this time, however the stone perimeter berm is in place and contains the yard well. 7/6/05	-All stockpiles are well-contained and the berm is working effectively at this time. 7/6/05
	- A majority of the soil has been removed to appropriate off-site locations but some will remain on an as needed basis for the remainder of construction. They are not covered in plastic but are well within the site. 3/2-7/6/05	-Continue to monitor status and cover stockpiles with plastic if necessary. 3/2-7/6/05
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. The work within the substation yard has caused no observed sedimentation. 7/6/05	- The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 7/6/05
State species of concern, threatened and endangered species	-The sand pile with the potential nest has been surrounded with safety fence and does not need to be moved or disturbed for several months. 6/15-7/6/05	- Everyone at the substation also remains aware and will move machinery carefully in case the individual turtle returns. We will continue to monitor the nest, especially in the late summer. 6/15-7/6/05.

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Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- No dewatering was noted at the time of inspection. 7/6/05	- None at this time.
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	- No drips or leaks were noted on site at this time. 7/6/05	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations		

Next likely scheduled inspection:

Thursday, July 14, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

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Norwalk Substation- The removal of old structures is occurring within the fenced yard in order to create new access. 7/6/05



View of excavation, backfill and work behind the GIS building. 7/6/05



View of the topsoil pile which is being utilized in areas around the GIS building. 7/6/05



Some sediment from the access road has washed to the base of the perimeter fence. A stone berm placed here will likely keep it from migrating to the bike path. 7/6/05



Plumtree Substation- Overview of the work on the concrete slab. 7/6/05



The perimeter berm continues to effectively prevent stormwater from leaving the site. 7/6/05